



RA	MOZOK K., BILL H., KUMATEL S., KOLITS J. E., PETERS C., HEINONEN K.,
RA	CALIFURNI M. A., BLOOMFIELD C. D., de la Chapelle A.,
RT	"BALAC" the human member of a novel mammalian neuroectoderm gene
RT	lineage, is implicated in hematopoiesis and acute leukemia,"
RT	Proc. Natl. Acad. Sci. U.S.A. 98(13501-13506(2001)).
DR	EMBL: AB073318; BAB70571.1;
DR	EMBL: AF371322; AAL50517.1;
DR	InterPro: IPR009728; BALAC_N.
DR	Pfam: PF06989; BALAC_N, 1.
SO	SEQUENCE 145 AA; 15475 MW; D5A27AD67456F341 CRC64;

  

Query Match	100.0%	Score 7671	DB 2	Length 145
Best Local Similarity	100.0%	Pred. No. 3,4e-61		
Matches 145	Conservative 0	Mismatches 0	Indels 0	Gaps 0

  

Qy	1	MGCGSRADAIERYRYESWTERSTLTATTTSDALPSAAATDSGPAGGLHAGTACGP	60
Db	1	MGCGSRADAIERYRYESWTERSTLTATTTSDALPSAAATDSGPAGGLHAGVLSGP	60
Qy	61	SSNGVLPAPAPGGIANPERKKNCTQCPSNLSLGGPLTYQKNGLWTTBKADDAIRMGAR	120
Db	61	SSNGVLPAPAPGGIANPERKKNCTQCPSNLSLGGPLTYQKNGLWTTBKADDAIRMGAR	120
Qy	121	EVAISVTENIRQMDRSKKTATNCIN	145
Db	121	EVAISVTENIRQMDRSKKTATNCIN	145

  

RESULT 2			
08AVY1	PRELIMINARY	PRT	145 AA.
ID 08AVY1			
AC 08AVY1			

Query Match	100.0%	Score 767	DB 2	Length 145
Best Local Similarity	100.0%	Pred. No. 3,46-61		
Matches 145	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	MCQGGSRDADAEPEPYTSWTRFSTSTLTTTDSQALPSAANTQSGEAGATGACVLCGCP	60	
DB	1	MCQGGSRDADAEPEPYTSWTRFSTSTLTTTDSQALPSAANTQSGEAGATGACVLCGCP	60	
QY	61	SSNGTGLRPAAPGGIAPPEKKNKQCTCCNSQSLSGGPVTQXKGLTTTAKKDARMSAR	120	
DB	61	SSNGTGLRPAAPGGIAPPEKKNKQCTCCNSQSLSGGPVTQXKGLTTTAKKDARMSAR	120	
QY	121	SVASIVTENIKQMDRSKRVTKQNCIN	145	
DB	121	SVASIVTENIKQMDRSKRVTKQNCIN	145	
RESULT 2				
Q8AVH1	PRELIMINARY	PRT	145 AA	
Q8AVH1				
AC				

01-MAR-2002 (TREMBlrel. 20, Last sequence update)  
01-OCT-2004 (TREMBlrel. 28, Last annotation update)  
BAC11 isoform 1-6-8 (Mus musculus 16 days neonate cerebellum cDNA,  
Riken full-length enriched library, clone1965002816 product:brain and  
acute leukemia, cytoplasmic, full insert sequence).  
Name=BALC1;  
Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
NCBI\_TaxID=10090;  
[1]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; PubMed=11707601;  
MEDLINE=21574584; PubMed=11707601;  
Tanner S.M., Auer J.U., Leone G., Rush L.J., Plase C., Heinonen K.,  
Wrozek K., Sill H., Knuttila S., Kolter J.B., Archer K.U.,  
Calligaris M.A., Bloomfield C.D., de la Chapelle A.,  
BALC1, the human member of a novel mammalian neuroectoderm gene  
lineage, is implicated in hematopoiesis and acute leukemia.  
Proc. Natl. Acad. Sci. U.S.A. 98:13901-13906(2001).  
[2]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=99379253; PubMed=10349636;  
Carninci P., Hayashizaki Y.,  
"High efficiency full-length cDNA cloning."  
Meth. Enzymol. 303:19-44(1999).  
[3]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=21085660; PubMed=11217851;  
RIKEN PANTOM Consortium,  
"Functional annotation of a full-length mouse cDNA collection."  
Nature 409:685-690(2001).  
[4]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
The PANTOM Consortium,  
"The RIKEN Genome Exploration Research Group Phase I & II Team,  
"Analysis of the mouse transcriptome based on functional annotation of  
60,770 full-length cDNAs."  
Nature 420:563-573(2002).  
[5]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=2049374; PubMed=11042159;  
Carninci P., Shibata Y., Hayatsu N., Sugawara Y., Shibata K., Itoh M.,  
Kondo H., Okazaki Y., Muramatsu M., Hayashizaki Y.,  
"Normalization and subtraction of cap-trapper-selected cDNAs to  
prepare full-length cDNA libraries for rapid discovery of new genes."  
Genome Res. 10:1617-1630(2000).  
[6]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=20530913; PubMed=11076861;  
Shibata K., Itoh M., Aizawa K., Nagata S., Sasaki N., Carninci P.,  
Kondo H., Aizawa K., Aizawa K., Kikunishi T., Tashiro H., Itoh M.,  
Sumi Y., Ishii Y., Nakamura S., Hasegawa M., Nishitani T., Harada A.,  
Yamamoto K., Matsumoto H., Sakaguchi S., Ikegami T., Tashiro K.,  
Pujavake S., Inoue K., Togawa Y., Iizawa M., Ohara S., Watanabe K.,  
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsumura S., Kawai J.,  
Okazaki Y., Muramatsu M., Inoue Y., Kito A., Hayashizaki Y.,  
"RIKEN integrated sequence analysis (RISA) system-384-format  
sequencing pipeline with 384 multiplexed sequencer."  
Genome Res. 10:1757-1771(2000).  
[7]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
Aizawa K., Aizawa K., Aizawa K., Aizawa K., Aizawa K., Aizawa K.,  
Pujavake S., Pujavake S., Pujavake S., Pujavake S., Pujavake S.,  
Hayashizaki K., Hayashizaki K., Hayashizaki K., Hayashizaki K.,  
Hori F., Imotoh K., Ishii Y., Itoh M., Kagawa I., Kanakawa T.,

Nov 90

Katoh H., Kawai J., Kojima Y., Kondo S., Kondo H., Kondo M., Koye S.,  
Kurihara C., Matsuyama T., Miyazaki A., Mita M., Nakamura M.,  
Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y.,  
Raito R., Saitoh K., Sakai K., Sakai K., Sakazume N., Sano H.,  
Sasaki D., Shibata K., Shingawa A., Shiraki T., Sogabe Y., Tagami M.,  
Togawa A., Takahashi P., Takahashi P., Takahashi P., Tanaka T.,  
Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.,  
Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.  
RC STRAIN-C57BL/6J; PubMed=11707601;  
MEDLINE=21574584; PubMed=11707601;  
Tanner S.M., Auer J.U., Leone G., Rush L.J., Plase C., Heinonen K.,  
Wrozek K., Sill H., Knuttila S., Kolter J.B., Archer K.U.,  
Calligaris M.A., Bloomfield C.D., de la Chapelle A.,  
BALC1, the human member of a novel mammalian neuroectoderm gene  
lineage, is implicated in hematopoiesis and acute leukemia.  
Proc. Natl. Acad. Sci. U.S.A. 98:13901-13906(2001).  
[2]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=99379253; PubMed=10349636;  
Carninci P., Hayashizaki Y.,  
"High efficiency full-length cDNA cloning."  
Meth. Enzymol. 303:19-44(1999).  
[3]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=21085660; PubMed=11217851;  
RIKEN PANTOM Consortium,  
"Functional annotation of a full-length mouse cDNA collection."  
Nature 409:685-690(2001).  
[4]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
The PANTOM Consortium,  
"The RIKEN Genome Exploration Research Group Phase I & II Team,  
"Analysis of the mouse transcriptome based on functional annotation of  
60,770 full-length cDNAs."  
Nature 420:563-573(2002).  
[5]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=2049374; PubMed=11042159;  
Carninci P., Shibata Y., Hayatsu N., Sugawara Y., Shibata K., Itoh M.,  
Kondo H., Okazaki Y., Muramatsu M., Hayashizaki Y.,  
"Normalization and subtraction of cap-trapper-selected cDNAs to  
prepare full-length cDNA libraries for rapid discovery of new genes."  
Genome Res. 10:1617-1630(2000).  
[6]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
MEDLINE=20530913; PubMed=11076861;  
Shibata K., Itoh M., Aizawa K., Nagata S., Sasaki N., Carninci P.,  
Kondo H., Aizawa K., Aizawa K., Kikunishi T., Tashiro H., Itoh M.,  
Sumi Y., Ishii Y., Nakamura S., Hasegawa M., Nishitani T., Harada A.,  
Yamamoto K., Matsumoto H., Sakaguchi S., Ikegami T., Tashiro K.,  
Pujavake S., Inoue K., Togawa Y., Iizawa M., Ohara S., Watanabe K.,  
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsumura S., Kawai J.,  
Okazaki Y., Muramatsu M., Inoue Y., Kito A., Hayashizaki Y.,  
"RIKEN integrated sequence analysis (RISA) system-384-format  
sequencing pipeline with 384 multiplexed sequencer."  
Genome Res. 10:1757-1771(2000).  
[7]  
SEQUENCE FROM N.A.  
RC STRAIN-C57BL/6J; TIGSUS-Cerebellum;  
Aizawa K., Aizawa K., Aizawa K., Aizawa K., Aizawa K., Aizawa K.,  
Pujavake S., Pujavake S., Pujavake S., Pujavake S., Pujavake S.,  
Hayashizaki K., Hayashizaki K., Hayashizaki K., Hayashizaki K.,  
Hori F., Imotoh K., Ishii Y., Itoh M., Kagawa I., Kanakawa T.,